Exhibit B

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1
                  UNITED STATES DISTRICT COURT
 2
                 NORTHERN DISTRICT OF CALIFORNIA
 3
                      SAN FRANCISCO DIVISION
 4
     ASETEK DANMARK A/S,
     Plaintiff and
 5
     Counterdefendant,
 6
       VS.
                                      ) CASE NO.
                                       3:19-CV-00410-EMC
 7
     COOLIT SYSTEMS, INC.,
 8
     Defendant and Counterclaimant.
 9
     COOLIT SYSTEMS USA INC. COOLIT )
     SYSTEMS ASIA PACIFIC LIMITED,
10
     COOLIT SYSTEMS (SHENZHEN) CO.,
11
     LTD.,
12
     Defendants,
     CORSAIR GAMING, INC. and
13
     CORSAIR MEMORY, INC.,
14
                Defendants.
15
16
           REMOTELY CONDUCTED VIDEOTAPED DEPOSITION OF
                    DAVID B. TUCKERMAN, PH.D.
17
          Lake Stevens, Washington (Witness' location)
18
                      Friday, March 18, 2022
19
20
21
22
     Reported by:
23
     LYDIA ZINN
     RPR, FCRR, CSR No. 9223
24
     Job No. SF 5137947
     PAGES 1 - 103
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1
                   UNITED STATES DISTRICT COURT
 2
                 NORTHERN DISTRICT OF CALIFORNIA
 3
                      SAN FRANCISCO DIVISION
     ASETEK DANMARK A/S,
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       VS.
                                     ) CASE NO.
 7
                                     ) 3:19-CV-00410-EMC
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     Defendant and Counterclaimant.
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     COOLIT SYSTEMS USA INC. COOLIT )
     SYSTEMS ASIA PACIFIC LIMITED,
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     COOLIT SYSTEMS (SHENZHEN) CO., )
11
     LTD.,
12
     Defendants,
     CORSAIR GAMING, INC. and
13
     CORSAIR MEMORY, INC.,
14
                Defendants.
15
16
                 Remotely conducted videotaped deposition of
17
     DAVID B. TUCKERMAN, PH.D., taken on behalf of
18
19
     Defendant/Counterclaimants COOLIT SYSTEMS USA INC.
     COOLIT SYSTEMS ASIA PACIFIC LIMITED, COOLIT SYSTEMS
20
     (SHENZHEN) CO., LTD., CORSAIR GAMING, INC. and CORSAIR
21
22
     MEMORY, INC., at Lake Stevens, Washington, beginning at
     2:17 p.m. and ending at 5:59 p.m., on Friday, March 18,
23
     2022, before LYDIA ZINN, Certified Shorthand Reporter
24
25
     No. 9223.
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1
     APPEARANCES:
 2
     For Plaintiff/Counterdefendant Asetek Danmark A/S:
                            Finnegan, Henderson, Farabow
 3
                              Garrett & Dunner LLP
                            Stanford Research Park
                            3300 Hillview Avenue, 2nd Floor
 4
                            Palo Alto, CA 94304-1203
                            (650) 849-6600
 5
                            arpita.bhattacharyya@finnegan.com
                            ARPITA BHATTACHARYYA
 6
                       BY:
     For Defendant/Counterclaimant CoolIT Systems, Inc.; and
 7
     Defendants CoolIT Systems USA, Inc., CoolIT Systems
     Asia Pacific Limited, CoolIT Systems (Shenzhen) Co.,
 8
     Ltd.; Corsair Gaming Inc., and Corsair Memory, Inc.:
                            Cooley LLP
 9
                            3175 Hanover Street
10
                            Palo Alto, CA 94304-1130
                            (650) 843-5000
11
                            rchen@cooley.com
                            REUBEN CHEN
                       BY:
12
                            Greenberg Traurig, LLP
                            1900 University Avenue, 5th Floor
13
                            East Palo Alto, CA 94303
                            (650) 289-7887
14
                            kchen@qtlaw.com
                       BY: KYLE D. CHEN
15
16
17
     Also Present:
     Grant Cihlar, Videographer, Veritext
18
19
20
21
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2.3
2.4
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Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 5 of 37

| 1 | | I N D E X | |
|-----|------------------|-----------------------------|--------|
| 2 | Friday, March 18 | , 2022 | |
| 3 | WITNESS | | PAGE |
| | DAVID B. TUCKERM | AN, PH.D. | |
| 4 | (SWORN) | • | 7 |
| | Examination by M | r. Reuben Chen | 8 |
| 5 | | | |
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| 23 | | | |
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| 24 | Pr | eparation of Invalidity | |
| | | pert Report | 8 |
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Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 6 of 37

| 1 | MS. BHATTACHARYYA: I will suspend the | 2:24:54PM |
|----|---|-----------|
| 2 | deposition. | |
| 3 | MR. REUBEN CHEN: I will not do that. | |
| 4 | MS. BHATTACHARYYA: Mr. Chen, if you wanted | |
| 5 | to ask questions about Antarctica, you should have | 2:24:59PM |
| 6 | listed that as one of the topics. | |
| 7 | I I mean, I can give some leeway to | |
| 8 | Dr. Tuckerman and see if he recalls; but if you ask | |
| 9 | in-depth questions about the Antarctica, about | |
| 10 | what's what's in his report, then he will either | 2:25:13PM |
| 11 | have to review his report or or you have to just | |
| 12 | move on. | |
| 13 | You should have listed Antarctica as one of the | |
| 14 | topics, like you did with Bhatti, Kang, Hamilton, | |
| 15 | secondary considerations. You should have listed | 2:25:25PM |
| 16 | Antarctica. You just did not. And now you cannot | |
| 17 | change the scope of this deposition. | |
| 18 | So you can save your questions till the end about | |
| 19 | the Antarctica, and just go on and ask your other | |
| 20 | questions. | 2:25:41PM |
| 21 | MR. REUBEN CHEN: Ms. Bhattacharyya, you are | |
| 22 | coaching the witness right now. | |
| 23 | MS. BHATTACHARYYA: I am not coaching the | |
| 24 | witness. | |
| 25 | MR. REUBEN CHEN: You should stop that. | 2:25:42PM |
| | | Page 12 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 7 of 37

| 1 | Please | 2:25:46PM |
|----|--|-----------|
| 2 | MS. BHATTACHARYYA: He he has the topics. | |
| 3 | He got the ten topics. | |
| 4 | MR. REUBEN CHEN: Please, please limit your | |
| 5 | statements to objections or instructions not to answer | 2:25:53PM |
| 6 | questions. | |
| 7 | MS. BHATTACHARYYA: You can ask your | |
| 8 | question. | |
| 9 | BY MR. REUBEN CHEN: | |
| 10 | Q Dr. Tuckerman Dr. Tuckerman, I will repeat my | 2:26:00PM |
| 11 | question. | |
| 12 | A Okay. | |
| 13 | Q You did not include any evidence of measurements | |
| 14 | of the channels of the Antarctica device in your | |
| 15 | report. Correct? | 2:26:13PM |
| 16 | A Are you referring to the | |
| 17 | MS. BHATTACHARYYA: Objection. Out | |
| 18 | mischaracterizes prior testimony, Dr. Tuckerman's | |
| 19 | report. Outside the scope of this deposition. | |
| 20 | THE WITNESS: Are now, which report are | 2:26:27PM |
| 21 | you referring to here? Are you referring to the report | |
| 22 | that's in that's Exhibit 259 or | |
| 23 | BY MR. REUBEN CHEN: | |
| 24 | Q Yes, your Invalidity Report, Dr. Tuckerman. | |
| 25 | A Okay. So | 2:26:39PM |
| | | Page 13 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 8 of 37

| 1 | Q This would be paragraph 57 of your report. | 2:26:49PM |
|----|--|-----------|
| 2 | A Ah, thank you. That speeds things up. Okay. | |
| 3 | So I Okay. So I'm saying space between | |
| 4 | adjacent fins is about 0.9 to 1.0 millimeters. And, | |
| 5 | while I don't specify that here, I deposed I was | 2:27:24PM |
| 6 | deposed previously on this, and indicated that I took | |
| 7 | measurements with calipers at the bottoms of the | |
| 8 | microchannels on July 5th I think it was and | |
| 9 | got didn't get any measurements above 1.0. And they | |
| 10 | were all .9-something. But that that's about all. | 2:27:47PM |
| 11 | I mean, I didn't. | |
| 12 | Q And you testified that you did not submit any | |
| 13 | evidence of the measurements that you took in your | |
| 14 | report. Correct? | |
| 15 | MS. BHATTACHARYYA: Objection. | 2:28:07PM |
| 16 | Mischaracterizes prior testimony. Outside the scope of | |
| 17 | this deposition. | |
| 18 | THE WITNESS: Well, I mean, my assertion was | |
| 19 | based on having done these measurements. So, I mean | |
| 20 | BY MR. REUBEN CHEN: | 2:28:25PM |
| 21 | Q Right, but listen to the question. The question | |
| 22 | is: Did you submit any evidence of the measurements | |
| 23 | that you took and included that evidence in your | |
| 24 | report? | |
| 25 | MS. BHATTACHARYYA: Same objections. | 2:28:35PM |
| | | Page 14 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 9 of 37

| 1 | THE WITNESS: I took some measurements. And | 2:28:42PM |
|----|--|-----------|
| 2 | I reported that they were between .9 and 1.0. And | |
| 3 | that that's all I did. | |
| 4 | BY MR. REUBEN CHEN: | |
| 5 | Q But do you have any evidence that you submitted in | 2:28:53PM |
| 6 | your report that reflects that you took those | |
| 7 | measurements? | |
| 8 | MS. BHATTACHARYYA: Objection. Outside the | |
| 9 | scope of this deposition. Mischaracterizes prior | |
| 10 | testimony and the report. | 2:29:06PM |
| 11 | BY MR. REUBEN CHEN: | |
| 12 | Q Dr. Tuckerman, you testified under oath previously | |
| 13 | that you did not take any pictures of the measurements | |
| 14 | that you allegedly took. Correct? | |
| 15 | MS. BHATTACHARYYA: Objection. | 2:29:21PM |
| 16 | Mischaracterizes prior testimony. Mischaracterizes | |
| 17 | report. Outside the scope of this deposition. | |
| 18 | THE WITNESS: I don't remember what my exact | |
| 19 | words were. I did not keep records of the | |
| 20 | measurements, if that's what you mean. I don't know | 2:29:37PM |
| 21 | exactly what words I used. | |
| 22 | BY MR. REUBEN CHEN: | |
| 23 | Q Right. So there are no records of your | |
| 24 | measurements that are included in your report. | |
| 25 | Correct? | 2:29:46PM |
| | | Page 15 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 10 of 37

| 1 | MS. BHATTACHARYYA: Same objections. | 2:29:48PM |
|----|---|-----------|
| 2 | THE WITNESS: I didn't think it was necessary | |
| 3 | at the time. I mean, it I wasn't asked to do that. | |
| 4 | BY MR. REUBEN CHEN: | |
| 5 | Q Okay. Now, after your report was submitted but | 2:29:58PM |
| 6 | before you were deposed in December of 2021, you | |
| 7 | reviewed a document provided by Asetek's counsel that | |
| 8 | allegedly discussed a machining tool. Correct? | |
| 9 | MS. BHATTACHARYYA: Objection. Outside the | |
| 10 | scope of this deposition. | 2:30:17PM |
| 11 | Mr. Reuben, I'm going to suspend this deposition | |
| 12 | now. | |
| 13 | Which which topic are you referring to? You | |
| 14 | had ten topics in your deposition. What are you | |
| 15 | talking about? | 2:30:26PM |
| 16 | MR. REUBEN CHEN: Let's go off the record. | |
| 17 | Let's go off the record, because you're you're | |
| 18 | eating up time by being | |
| 19 | MS. BHATTACHARYYA: Then go off the record | |
| 20 | and discuss | 2:30:32PM |
| 21 | MR. REUBEN CHEN: Let's go off the record. | |
| 22 | Let's go off the record. | |
| 23 | MS. BHATTACHARYYA: Okay. | |
| 24 | THE VIDEOGRAPHER: We are going off the | |
| 25 | record. The time is 2:30 p.m. Pacific. And this is | 2:30:36PM |
| | | Page 16 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 11 of 37

| 1 | the end of media unit one. | 2:30:40PM |
|----|--|-----------|
| 2 | (Discussion off the record.) | |
| 3 | THE VIDEOGRAPHER: We're going back on the | |
| 4 | record. The time is 3:13 p.m., and this is the | |
| 5 | beginning of media unit two. Please continue. | 3:13:16PM |
| 6 | MR. REUBEN CHEN: Thank you. | |
| 7 | Q. Dr. Tuckerman, after your Expert Report was | |
| 8 | submitted, but before being deposed, you reviewed a | |
| 9 | document provided by Asetek's counsel that allegedly | |
| 10 | discussed a machining tool. Correct? | 3:13:34PM |
| 11 | MS. BHATTACHARYYA: Objection. Outside the | |
| 12 | scope of the topics provided for this deposition. | |
| 13 | THE WITNESS: I do recall that, yes. | |
| 14 | BY MR. REUBEN CHEN: | |
| 15 | Q And was it Ms. Bhattacharyya that showed you that | 3:13:49PM |
| 16 | document? | |
| 17 | MS. BHATTACHARYYA: Same objection. | |
| 18 | Mischaracterizes prior testimony. | |
| 19 | THE WITNESS: I saw a Ms. Bhattacharyya | |
| 20 | showed me a document with a with a blade, and and | 3:14:04PM |
| 21 | a measurement of the blade. | |
| 22 | BY MR. REUBEN CHEN: | |
| 23 | Q Do you recall when you review | |
| 24 | MS. BHATTACHARYYA: Dr. Tuckerman, I caution | |
| 25 | you Dr. Tuckerman, I caution you to not reveal | 3:14:15PM |
| | | Page 17 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 12 of 37

| 1 | discussions with counsel. | 3:14:20PM |
|----|---|-----------|
| 2 | THE WITNESS: Okay. Yes. | |
| 3 | BY MR. REUBEN CHEN: | |
| 4 | Q Did you recall when you reviewed that document? | |
| 5 | A Not exactly, no. | 3:14:28PM |
| 6 | Q Was it in December of 2021? | |
| 7 | MS. BHATTACHARYYA: Same objections. | |
| 8 | THE WITNESS: I don't know. | |
| 9 | BY MR. REUBEN CHEN: | |
| 10 | Q Okay. Was it as part of preparing for your | 3:14:41PM |
| 11 | deposition in December of 2021? | |
| 12 | MS. BHATTACHARYYA: Same objections. | |
| 13 | THE WITNESS: Well, as I recall, the this | |
| 14 | issue came up and of, you know, what what were | |
| 15 | the dimensions. | 3:15:10PM |
| 16 | So, I mean I mean, what was what was the | |
| 17 | question again? Sorry. | |
| 18 | MR. REUBEN CHEN: That's okay. I'll move on | |
| 19 | to the next one. | |
| 20 | THE WITNESS: Yeah. | 3:15:21PM |
| 21 | BY MR. REUBEN CHEN: | |
| 22 | Q Is that document written in Danish? | |
| 23 | A Yeah. As I recall, it was. | |
| 24 | Q And you don't read Danish. Correct? | |
| 25 | A I I do not. | 3:15:35PM |
| | | Page 18 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 13 of 37

| 1 | Q Did someone translate that document for you? | 3:15:36PM |
|----|---|-----------|
| 2 | A Nobody translated it for me. | |
| 3 | Q To your knowledge, does Ms. Bhattacharyya read | |
| 4 | Danish? | |
| 5 | A I would not know. | 3:15:50PM |
| 6 | MS. BHATTACHARYYA: Objection. Calls for | |
| 7 | speculation. | |
| 8 | THE WITNESS: I would not know one way or the | |
| 9 | other. | |
| 10 | BY MR. REUBEN CHEN: | 3:15:58PM |
| 11 | Q Okay. So you don't know for certain that the | |
| 12 | document discusses a machining tool used to create | |
| 13 | Antarctica. Correct? | |
| 14 | MS. BHATTACHARYYA: Objection. Calls for | |
| 15 | speculation. Foundation. | 3:16:07PM |
| 16 | THE WITNESS: It | |
| 17 | MS. BHATTACHARYYA: And objection. Outside | |
| 18 | the scope of the deposition topics. | |
| 19 | THE WITNESS: It as I recall, it was | |
| 20 | represented as having been provided by Asetek to | 3:16:31PM |
| 21 | counsel as being the blade or a blade that that was | |
| 22 | used for machining of Antarctica. | |
| 23 | BY MR. REUBEN CHEN: | |
| 24 | Q Who made those representations to you? | |
| 25 | MS. BHATTACHARYYA: Objection. Outside the | 3:16:51PM |
| | | Page 19 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 14 of 37

| 1 | scope of the deposition topics. | 3:16:52PM |
|----|--|-----------|
| 2 | I will caution Dr. Tuckerman not to reveal | |
| 3 | contents of discussions with counsel. | |
| 4 | MR. REUBEN CHEN: I'm not asking for the | |
| 5 | content. I'm asking who. | 3:17:02PM |
| 6 | MS. BHATTACHARYYA: Same. Same objections. | |
| 7 | The the question calls for privileged information. | |
| 8 | MR. REUBEN CHEN: I disagree with that. | |
| 9 | Are you instructing the witness not to answer? | |
| 10 | MS. BHATTACHARYYA: I instruct the witness | 3:17:13PM |
| 11 | not to answer any questions of discussions with | |
| 12 | counsel. | |
| 13 | BY MR. REUBEN CHEN: | |
| 14 | Q Same question, then. Who | |
| 15 | MS. BHATTACHARYYA: Same | 3:17:22PM |
| 16 | BY MR. REUBEN CHEN: | |
| 17 | Q. Who represented to you that the document discusses | |
| 18 | the machining tool used to create Antarctica? | |
| 19 | MS. BHATTACHARYYA: I will instruct the | |
| 20 | witness not to answer the question. It calls for | 3:17:33PM |
| 21 | information that is protected under Rule 26. | |
| 22 | MR. REUBEN CHEN: I disagree, and so I'll | |
| 23 | just reserve my right to redepose Dr. Tuckerman to ask | |
| 24 | him that that specific question. | |
| 25 | Q Dr. Tuckerman, were you ever shown the entire | 3:17:47PM |
| | | Page 20 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 15 of 37

| 1 | document, or just a picture of one page of that | 3:17:49PM |
|----|---|-----------|
| 2 | document? | |
| 3 | A I I saw only one that one page. | |
| | | |
| 4 | Q A picture of that one page? | |
| 5 | MS. BHATTACHARYYA: Objection. | 3:18:04PM |
| 6 | Mischaracterizes exhibits and prior testimony. | |
| 7 | THE WITNESS: Well, yeah. I mean, I didn't | |
| 8 | have the physical page. It was, you know, a JPG or | |
| 9 | whatever. | |
| 10 | BY MR. REUBEN CHEN: | 3:18:17PM |
| 11 | Q You didn't have the physical document in front of | |
| 12 | you. There was just a JPEG of one page of the | |
| 13 | document. Is that is that accurate? | |
| 14 | MS. BHATTACHARYYA: Objection. Objection. | |
| 15 | Mischaracterizes prior mischaracterizes the record | 3:18:26PM |
| 16 | and prior testimony. | |
| 17 | THE WITNESS: I mean, I don't I don't know | |
| 18 | if it was a JPEG. I I was shown an image that | |
| 19 | appeared to be from a machining manual. | |
| 20 | BY MR. REUBEN CHEN: | 3:18:51PM |
| 21 | Q So there was an image of one page of a document | |
| 22 | correct? that you reviewed? | |
| 23 | MS. BHATTACHARYYA: Objection. Outside the | |
| 24 | scope of deposition topics. Mischaracterizes prior | |
| 25 | testimony and exhibits from prior depositions. | 3:19:03PM |
| | | Page 21 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 16 of 37

| 1 | Mischaracterizes the record. | 3:19:07PM |
|----|---|-----------|
| 2 | THE WITNESS: That's what it appeared to be. | |
| 3 | BY MR. REUBEN CHEN: | |
| 4 | Q Okay. But you never reviewed the entire document. | |
| 5 | Correct? | 3:19:16PM |
| 6 | MS. BHATTACHARYYA: Objection. Foundation. | |
| 7 | Outside the scope of the deposition. | |
| 8 | THE WITNESS: I was shown that one page. | |
| 9 | BY MR. REUBEN CHEN: | |
| 10 | Q Okay. And it wouldn't have mattered anyway, | 3:19:29PM |
| 11 | because you don't read Danish. Right? | |
| 12 | MS. BHATTACHARYYA: Objection. Outside the | |
| 13 | scope of the deposition. | |
| 14 | THE WITNESS: As I said, it was represented | |
| 15 | to me that that was the blade that was that a | 3:19:48PM |
| 16 | blade that had been used in Antarctica. | |
| 17 | BY MR. REUBEN CHEN: | |
| 18 | Q And there was an alleged measurement of the | |
| 19 | machining tool. Correct? | |
| 20 | MS. BHATTACHARYYA: Objection. | 3:19:35PM |
| 21 | Mischaracterizes exhibit. Prior testimony. Outside | |
| 22 | the scope of the deposition topics. | |
| 23 | THE WITNESS: So the picture showed the tool | |
| 24 | being measured with with calipers. The width. The | |
| 25 | blade width it showed. | 3:20:21PM |
| | | Page 22 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 17 of 37

| 1 | BY MR. REUBEN CHEN: | 3:20:24PM |
|----|---|-----------|
| 2 | Q Do you know who measured the machining tool? | |
| 3 | MS. BHATTACHARYYA: Same objections. | |
| 4 | THE WITNESS: I do not. | |
| 5 | BY MR. REUBEN CHEN: | 3:20:31PM |
| 6 | Q You did not measure the machining tool. Correct? | |
| 7 | A No, I never laid hands on the tool. | |
| 8 | Q Do you know how the machining tool was measured? | |
| 9 | MS. BHATTACHARYYA: Same objections. | |
| 10 | THE WITNESS: It was it appeared to be, | 3:20:48PM |
| 11 | from the picture, measured in a very conventional | |
| 12 | manner, the same way I would have measured it, which | |
| 13 | was to put it in calipers, and and measure it. | |
| 14 | BY MR. REUBEN CHEN: | |
| 15 | Q Do you know that for certain; that a caliper was | 3:21:04PM |
| 16 | used to measure the machining tool? | |
| 17 | MS. BHATTACHARYYA: Same objections. | |
| 18 | THE WITNESS: Well, I mean, I don't have the | |
| 19 | image in front of me, but unless I'm recalling wrongly, | |
| 20 | there was a pair of digital calipers clamped on the | 3:21:24PM |
| 21 | on the blade, you know. So it it that was how | |
| 22 | anyone of ordinary skill in the art would have made | |
| 23 | that sort of measurement. | |
| 24 | BY MR. REUBEN CHEN: | |
| 25 | Q Now, as a matter of physics and manufacturing | 3:21:47PM |
| | | Page 23 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 18 of 37

| 1 | practice, an actual channel in Antarctica is going to | 3:21:50PM |
|----|--|-----------|
| 2 | be wider than the width of the component in the | |
| 3 | machining tool used to create that channel. Correct? | |
| 4 | MS. BHATTACHARYYA: Objection. Outside the | |
| 5 | scope of the deposition topics. Foundation. | 3:22:07PM |
| 6 | Mischaracterizes the record. | |
| 7 | THE WITNESS: So generally with that type of | |
| 8 | machining with blades, you you get a taper. Okay? | |
| 9 | There's blade wobble, and such. And you you know, | |
| 10 | you get something that's wider at the top than at the | 3:22:31PM |
| 11 | bottom. | |
| 12 | At the bottom you would expect to get you know, | |
| 13 | either exactly the blade width, or if the blade has | |
| 14 | worn, you know, because when blades have been used for | |
| 15 | a while they can, you know, get get narrower, maybe | 3:22:48PM |
| 16 | it would be even less. But you know, that like I | |
| 17 | say, you get a taper. And you're going to get you | |
| 18 | know, I think I kind of answered that. | |
| 19 | BY MR. REUBEN CHEN: | |
| 20 | Q Now, just to be clear, you testified that it was | 3:23:20PM |
| 21 | represented to you that the document discusses the | |
| 22 | machining tool used to create Antarctica. Correct? | |
| 23 | MS. BHATTACHARYYA: Same objections. | |
| 24 | THE WITNESS: Not not necessarily that | |
| 25 | particular Antarctica unit; but I mean, it it was | 3:23:45PM |
| | | Page 24 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 19 of 37

| 1 | represented as a a machining tool that was used in | 3:23:50PM |
|----|---|-----------|
| 2 | the production of Antarcticas. There's there was no | |
| 3 | representation made that that particular tool was used | |
| 4 | on that particular Antarctica. As I think I mentioned | |
| 5 | in the past, for all I know it was you know, maybe | 3:24:08PM |
| 6 | it was an out-of-spec unit. | |
| 7 | I mean, who you know, it was it was just one | |
| 8 | physical sample that I measured. And I was mainly just | |
| 9 | concerned that, you know, it it wasn't grossly out | |
| 10 | of line on dimensions. So I put the calipers in; made | 3:24:25PM |
| 11 | the measurements. | |
| 12 | None of them that I measured were above | |
| 13 | 1 millimeter. And I was I was satisfied. | |
| 14 | BY MR. REUBEN CHEN: | |
| 15 | Q So your opinion that Antarctica has channels that | 3:24:41PM |
| 16 | are between 0.9 to 1 millimeters are you relying on | |
| 17 | the representation that the document in Danish | |
| 18 | discusses the machining tool that was used to create | |
| 19 | Antarctica? | |
| 20 | MS. BHATTACHARYYA: Objection. Outside the | 3:25:08PM |
| 21 | scope of the deposition topics. Mischaracterizes prior | |
| 22 | deposition testimony. | |
| 23 | THE WITNESS: So the the only thing I can | |
| 24 | actually assert about the dimensions of that particular | |
| 25 | Antarctica were the measurements that I took on that | 3:25:37PM |
| | | Page 25 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 20 of 37

| 1 | | 1 |
|----|---|-----------|
| 1 | particular sample, which I measured with calipers at | 3:25:43PM |
| 2 | the base of the samples, and got numbers that were | |
| 3 | close to but not in excess of 1 millimeter. | |
| 4 | The other information, you know, about the blade I | |
| 5 | just viewed as plausible corroboration that that's a | 3:26:04PM |
| 6 | blade that was used in Antarctica machining, and | |
| 7 | therefore that you would expect that the channel widths | |
| 8 | would be the order of a millimeter from that sort of | |
| 9 | blade. And so it it kind of tied, but I certainly | |
| 10 | wasn't taking anyone's word for for that. | 3:26:36PM |
| 11 | Like I say, I didn't you know, I was asked in | |
| 12 | the deposition about it. And I believe you know, I | |
| 13 | don't remember exactly what I said, but the it it | |
| 14 | seemed very plausible that that kind of blade would | |
| 15 | have been used to make the structure to make the | 3:26:58PM |
| 16 | structures that I measured on that Antarctica sample. | |
| 17 | But the only thing I can factually assert to you | |
| 18 | is I made measurements at the bases of the channels on | |
| 19 | that Antarctica with calipers; did not get any | |
| 20 | measurements above 1 millimeter. But they were very | 3:27:17PM |
| 21 | close, you know. Nine-something. So | |
| 22 | BY MR. REUBEN CHEN: | |
| 23 | Q. Are you relying on what you call the "plausible | |
| 24 | corroboration" of that document for your ultimate | |
| 25 | opinion that Antarctica's channels satisfy the | 3:27:31PM |
| | | Page 26 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 21 of 37

| 1 | microchannels limitation? | 3:27:37PM |
|----|---|-----------|
| 2 | MS. BHATTACHARYYA: Objection. Outside the | |
| 3 | scope of the deposition topics. Mischaracterizes prior | |
| 4 | testimony. | |
| 5 | THE WITNESS: First of all, I considered the | 3:28:03PM |
| 6 | issue rather immaterial, since the obviousness of using | |
| 7 | microchannels is so blatant, given that I invented | |
| 8 | them, you know I I published them, you know, in | |
| 9 | the 1981-1984 time frame. And, you know, here we're | |
| 10 | talking, you know, 2000 mid 2000s in this | 3:28:24PM |
| 11 | litigation. | |
| 12 | So the you know, it was the idea that these | |
| 13 | could be microchannels was so obvious that I didn't | |
| 14 | think it needed a lot of | |
| 15 | But you know, I understand there's this legal | 3:28:46PM |
| 16 | definition for the purposes of this litigation. And | |
| 17 | so like I say, which I consider not something that a | |
| 18 | person skilled in the art would have considered as a | |
| 19 | relevant limitation, because of the known obviousness | |
| 20 | of microchannels. | 3:29:08PM |
| 21 | So the fact that I had this sample and got | |
| 22 | channels not more than a millimeter wide in my | |
| 23 | measurements you know, I felt it it helped, but I | |
| 24 | didn't consider it super important. | |
| 25 | So, you know, I can't I don't have really any | 3:29:27PM |
| | | Page 27 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 22 of 37

| 1 | more information about Antarctica than, you know, the | 3:29:35PM |
|----|---|-----------|
| 2 | documents that that I think you've all seen, and | |
| 3 | those measurements that I made. | |
| 4 | The but but I you know, when I understood | |
| 5 | that this blade was used for machining of at least some | 3:29:55PM |
| 6 | Antarcticas I thought, yeah, that you know, that | |
| 7 | ties. | |
| 8 | You know, you'll get channels nominally a | |
| 9 | millimeter. They they'd be a little bit less with | |
| 10 | that blade at the base, you know. So it it fit | 3:30:13PM |
| 11 | the you know, the claim that that blade was used | |
| 12 | fit/tied with my measurements. | |
| 13 | But you know, I can't I can only tell you | |
| 14 | what you know, what I know. And I've told you, I | |
| 15 | think, what I know. | 3:30:35PM |
| 16 | MR. REUBEN CHEN: Okay. I'm going to object | |
| 17 | to everything in your answer except for your | |
| 18 | discussion except for your discussion regarding the | |
| 19 | blade that was used for machining as nonresponsive to | |
| 20 | my question. | 3:30:50PM |
| 21 | MS. BHATTACHARYYA: I disagree, but go ahead. | |
| 22 | BY MR. REUBEN CHEN: | |
| 23 | Q It sounds like you are relying on that Danish | |
| 24 | document as part of your opinion on the channels of | |
| 25 | Antarctica. Correct? | 3:31:06PM |
| | | Page 28 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 23 of 37

| 1 | MS. BHATTACHARYYA: Objection. Form. | 3:31:10PM |
|----|---|-----------|
| 2 | Outside the scope of this deposition of this | |
| 3 | deposition topics. Mischaracterizes prior testimony. | |
| 4 | THE WITNESS: So what I was relying on | |
| 5 | BY MR. REUBEN CHEN: | 3:31:34PM |
| 6 | Q Let me just let me just ask you about the | |
| 7 | Danish document. Are you | |
| 8 | MS. BHATTACHARYYA: No. | |
| 9 | BY MR. REUBEN CHEN: | |
| 10 | Q or are you not relying on the Danish document | 3:31:35PM |
| 11 | for your opinion regarding the channels of Antarctica? | |
| 12 | MS. BHATTACHARYYA: Mr. Chen, are you | |
| 13 | withdrawing your prior question? | |
| 14 | MR. REUBEN CHEN: Yes, I withdraw my prior | |
| 15 | question. | 3:31:52PM |
| 16 | Q I'll ask a fresh question. That question is: | |
| 17 | Dr. Tuckerman, are you or are you not relying on the | |
| 18 | Danish document for your opinion regarding the channels | |
| 19 | of Antarctica? | |
| 20 | MS. BHATTACHARYYA: Objection. Form. | 3:32:08PM |
| 21 | Outside the scope of this deposition. Mischaracterizes | |
| 22 | prior testimony. | |
| 23 | THE WITNESS: So, I mean, I can say what I | |
| 24 | said already. The the unit that I measured, I | |
| 25 | measured at the bases of the channels. The widths did | 3:32:28PM |
| | | Page 29 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 24 of 37

| 1 | not exceed 1 millimeter. That was represented to me as | 3:32:33PM |
|----|--|-----------|
| 2 | being an Antarctica product. | |
| 3 | I I don't know I mean, obviously, it wasn't | |
| 4 | one that was shaped, because it was, you know you | |
| 5 | know, in but the it if that sample was | 3:32:49PM |
| 6 | representative of other Antarcticas, then I felt that | |
| 7 | it was you know, that it it met the the legal | |
| 8 | definition. | |
| 9 | And the as regards the Danish document, I I | |
| 10 | thought, okay. That's that's nice information. | 3:33:23PM |
| 11 | That certainly, you know, adds further support in it. | |
| 12 | But "rely" is a pretty strong word. I'm I'm | |
| 13 | not saying that I rely on it. | |
| 14 | BY MR. REUBEN CHEN: | |
| 15 | Q Okay. Let me switch to a different topic. Let's | 3:33:38PM |
| 16 | go to claim 13 of the '266 patent, which I will now | |
| 17 | enter into the record. | |
| 18 | MS. BHATTACHARYYA: Mr. Chen, again, claim 13 | |
| 19 | is not one of your deposition topics. | |
| 20 | THE WITNESS: Yeah. I thought claim 13 | 3:33:59PM |
| 21 | MR. REUBEN CHEN: There is a claim limitation | |
| 22 | in claim 13 that is definitely one of the deposition | |
| 23 | topics. | |
| 24 | MS. BHATTACHARYYA: Okay. So you are going | |
| 25 | to ask about the fluid passages, if that's what the | 3:34:08PM |
| | | Page 30 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 25 of 37

| 1 | one you're referring to. | 3:34:11PM |
|----|---|-----------|
| 2 | MR. REUBEN CHEN: That is exactly where I'm | |
| 3 | going. Please give | |
| 4 | MS. BHATTACHARYYA: Okay. That's fine. | |
| 5 | MR. REUBEN CHEN: me a little bit more | 3:34:13PM |
| 6 | benefit of the doubt. Thank you. | |
| 7 | MS. BHATTACHARYYA: Okay. | |
| 8 | THE WITNESS: So claim 13 rather than claim | |
| 9 | 15? Is this what we're looking at? | |
| 10 | BY MR. REUBEN CHEN: | 3:34:27PM |
| 11 | Q Yeah. Let's start with claim 13. If we have | |
| 12 | time, we will talk about claim 15 as well. | |
| 13 | So in claim | |
| 14 | THE WITNESS: Wait, wait. Hold on. I've got | |
| 15 | to get the patent up. Is it on the exhibit list? | 3:34:36PM |
| 16 | MR. REUBEN CHEN: I entered it into the | |
| 17 | record. So I've entered previously marked Exhibit 265 | |
| 18 | in the record. | |
| 19 | (Deposition Exhibit 265 previously marked for | |
| | identification.) | |
| 20 | THE WITNESS: Ah, okay. Yeah. All right. | 3:34:52PM |
| 21 | Claim 13. | |
| 22 | BY MR. REUBEN CHEN: | |
| 23 | Q And I specifically want to ask you about the | |
| 24 | limitation "a fluid outlet passage configured to | |
| 25 | receive the heat-exchange fluid" | 3:35:23PM |
| | | Page 31 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 26 of 37

| 1 | A Okay. So second-from-last clause in that claim? | 3:35:41PM |
|----|---|-----------|
| 2 | That's what you're saying? | |
| 3 | Q Right. | |
| 4 | A All right. | |
| 5 | Q Yeah. | 3:35:46PM |
| 6 | A Okay. | |
| 7 | Q So you see the words "fluid outlet passage." | |
| 8 | Correct? | |
| 9 | A I do. | |
| 10 | Q Okay. So would you agree that the fluid outlet | 3:35:53PM |
| 11 | passage starts at the openings of the microchannels? | |
| 12 | MS. BHATTACHARYYA: Objection. | |
| 13 | Mischaracterizes the record. | |
| 14 | THE WITNESS: Let's find the definition of | |
| 15 | Oh, okay. Fluid outlet passage. That's 106. | 3:36:33PM |
| 16 | Okay. So fluid outlet passage 106 okay which in | |
| 17 | the illustrated embodiment includes one or more fluid | |
| 18 | outlet openings 124 from the microporous fluid channels | |
| 19 | 103, a header, and an outlet port 128 opening from the | |
| 20 | housing. | 3:38:44PM |
| 21 | So it would okay. So so repeat your | |
| 22 | question, please. | |
| 23 | BY MR. REUBEN CHEN: | |
| 24 | Q Sure. Would you agree that the fluid outlet | |
| 25 | passage starts at the openings of the microchannels? | 3:38:58PM |
| | | Page 32 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 27 of 37

| 1 | really see the difference. It it sits atop the | 5:37:33PM |
|----|---|-----------|
| 2 | plate | |
| 3 | BY MR. REUBEN CHEN: | |
| 4 | Q Mm-hm. | |
| 5 | A in the CoolIT patent. And the shoulder sits | 5:37:37PM |
| 6 | atop the plate here in Kang. I mean | |
| 7 | MR. REUBEN CHEN: Okay. I have questions | |
| 8 | about Hamilton and how you've used it with respect to | |
| 9 | other claim elements that we haven't discussed, but I | |
| 10 | think I think Ms. Bhattacharyya's probably going to | 5:37:58PM |
| 11 | stop me from asking you those questions, so | |
| 12 | MS. BHATTACHARYYA: Mr. Chen, you spent quite | |
| 13 | a lot of time on Hamilton. I was actually doing a | |
| 14 | tally. You had ten topics, and you have asked | |
| 15 | questions on nine of them, including Hamilton. The | 5:38:13PM |
| 16 | only topic that we haven't touched is claim 15 of the | |
| 17 | '266 patent. | |
| 18 | If you want if you have any questions on claim | |
| 19 | 15 of the '266 patent, I'll let you a few minutes to | |
| 20 | ask that. | 5:38:30PM |
| 21 | We have now been, like, close to 25 minutes at | |
| 22 | least 23 minutes over the two-hour limit. If the | |
| 23 | videographer can actually give me a read of the time we | |
| 24 | have on the record, that would be good. You know, you | |
| 25 | had a two-hour deposition. | 5:38:55PM |
| | | Page 87 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 28 of 37

| 1 | | |
|----|--|-----------|
| 1 | And, like I said, if you have any questions about | 5:38:57PM |
| 2 | claim 15 of the '266, which is the tenth topic on your | |
| 3 | list the only topic that you have not asked | |
| 4 | questions on I'll let you a few minutes to do that. | |
| 5 | Otherwise, we'll have to wrap it up. | 5:39:11PM |
| 6 | MR. REUBEN CHEN: I do have questions about | |
| 7 | claim 15. I will ask them. | |
| 8 | And I do also have additional questions about | |
| 9 | Hamilton. And there's obviously that one question | |
| 10 | where you instructed Dr. Tuckerman not to answer with | 5:39:24PM |
| 11 | respect to privilege. So I will reserve my rights with | |
| 12 | respect to questions that I wanted to ask with respect | |
| 13 | to Hamilton, and also that one question regarding | |
| 14 | privilege. | |
| 15 | And I do appreciate you letting me ask questions | 5:39:39PM |
| 16 | about claim 15 of the '266 patent. | |
| 17 | I will put on the record that I think that with | |
| 18 | respect to certain questions in particular, the | |
| 19 | fluid outlet passage, and then questions about the | |
| 20 | fluid flow through Hamilton and through Chang that | 5:39:56PM |
| 21 | Dr. Tuckerman took a long time answering those | |
| 22 | questions. I think that's why. | |
| 23 | MS. BHATTACHARYYA: Mr. Chen, I disagree. | |
| 24 | But even if it took one or two extra minutes, I have | |
| 25 | given you close to 25 extra minutes. And I'm willing | 5:40:13PM |
| | | Page 88 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 29 of 37

| 1 | to give you more. I just don't want to be here all | 5:40:16PM |
|----|--|-----------|
| 2 | night. I mean, Judge Beeler specifically said two | |
| 3 | hours. And, you know, you have had had now, like, | |
| 4 | close to two and a half hours. So I you know, we | |
| 5 | have to end at some point. So | 5:40:30PM |
| 6 | And, you know, if you want to rephrase your | |
| 7 | question about that question where there was a | |
| 8 | privilege objection, maybe you can rephrase that and | |
| 9 | ask. | |
| 10 | And, you know, I'll let me be clear. The | 5:40:42PM |
| 11 | reason I I objected was the way you phrased it, a | |
| 12 | yes/no answer would reveal privileged discussions. So | |
| 13 | you are free to rephrase it and ask it. And I'll | |
| 14 | assess it. And, you know, Dr. Tuckerman can answer. | |
| 15 | I I just the way you had phrased it, even a | 5:41:02PM |
| 16 | yes/no answer or who revealed it to you would | |
| 17 | would would reveal information that is protected | |
| 18 | under Rule 26. So I'm going to give you an opportunity | |
| 19 | to ask that again, but be careful about how you phrase | |
| 20 | your question. | 5:41:21PM |
| 21 | MR. REUBEN CHEN: Yeah. I disagree, but let | |
| 22 | me go ahead and try to rephrase so that we can avoid | |
| 23 | this dispute. | |
| 24 | Q So, Dr. Tuckerman, with respect to the Danish | |
| 25 | document that allegedly discusses the tool that was | 5:41:38PM |
| | | Page 89 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 30 of 37

| 1 | used to create channels in the Antarctica device, since | 5:41:43PM |
|----|---|-----------|
| 2 | you did not read Danish, you relied on the | |
| 3 | representation that was provided to you regarding that | |
| 4 | document. Correct? | |
| 5 | MS. BHATTACHARYYA: Objection. Form. | 5:42:19PM |
| 6 | Mischaracterizes prior testimony and the document | |
| 7 | referred to here. | |
| 8 | Since this was not one of the deposition topics, | |
| 9 | Mr. Chen, maybe you can show Dr. Tuckerman the | |
| 10 | document. | 5:42:40PM |
| 11 | MR. REUBEN CHEN: I don't think that's | |
| 12 | necessary. | |
| 13 | MS. BHATTACHARYYA: This is not one of the | |
| 14 | deposition topics, so I'm not sure | |
| 15 | MR. REUBEN CHEN: I disagree. And I think it | 5:42:51PM |
| 16 | falls into microchannel. So we don't need to have that | |
| 17 | fight again. So | |
| 18 | MS. BHATTACHARYYA: No, I'm not | |
| 19 | (Crosstalk.) | |
| 20 | MR. REUBEN CHEN: submitted. | 5:42:51PM |
| 21 | MS. BHATTACHARYYA: Okay. I am letting you | |
| 22 | ask the question again, you know, half an hour after | |
| 23 | your deposition time was over. Okay? So be fair with | |
| 24 | me with me here, Mr. Chen. | |
| 25 | You're asking about a document that you have not | 5:43:09PM |
| | | Page 90 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 31 of 37

| 1 | introduced as an exhibit today. And you are you're | 5:43:11PM |
|----|--|-----------|
| 2 | misrepresenting the document. | |
| 3 | And I'm just saying just maybe show it to him. | |
| 4 | MR. REUBEN CHEN: I'm not going to show any | |
| 5 | document to him that's written in Danish, because he | 5:43:24PM |
| 6 | can't read Danish. There's no point. | |
| 7 | MS. BHATTACHARYYA: You should know. That's | |
| 8 | what I'm saying there. You are misrepresenting the | |
| 9 | document. It's not all in Danish. You are | |
| 10 | misrepresenting the document because show | 5:43:37PM |
| 11 | Dr. Tuckerman the document. | |
| 12 | MR. REUBEN CHEN: I'm I'm not going to do | |
| 13 | that. So | |
| 14 | MS. BHATTACHARYYA: I'm telling you it's not | |
| 15 | all in Danish. | 5:43:49PM |
| 16 | MR. REUBEN CHEN: I'm not going to introduce | |
| 17 | a document. And I I disagree. So | |
| 18 | MS. BHATTACHARYYA: Let me get the record | |
| 19 | straight. You are going to keep asking Dr. Tuckerman | |
| 20 | about an exhibit that | 5:44:26PM |
| 21 | MR. REUBEN CHEN: We | |
| 22 | MS. BHATTACHARYYA: he he is outside | |
| 23 | the deposition topics today. He's not prepared. And | |
| 24 | you would not show that exhibit to him. So you are | |
| 25 | asking him to answer from memory. Is that correct? | 5:44:39PM |
| | | Page 91 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 32 of 37

| 1 | MR. REUBEN CHEN: We I believe we're all | 5:43:45PM |
|----|---|-----------|
| 2 | referring to there's only one document in Danish he | |
| 3 | was shown after he had submitted his report, before his | |
| 4 | deposition in December, that allegedly shows a tool or | |
| 5 | discusses a tool that that was used to create the | 5:45:09PM |
| 6 | channels in Antarctica. So there's there's no | |
| 7 | dispute about it. | |
| 8 | I'm asking him what is he relying on for his | |
| 9 | understanding of that document, since he obviously | |
| 10 | doesn't read Danish. | 5:45:26PM |
| 11 | MS. BHATTACHARYYA: And I'm telling you | |
| 12 | MR. REUBEN CHEN: And he said that he made | |
| 13 | a representation about that document. | |
| 14 | And I'm trying to figure out: Who who provided | |
| 15 | that representation to him? | 5:45:35PM |
| 16 | He's obviously relying on it. Right? Otherwise, | |
| 17 | I wouldn't be allowed to say anything about it. | |
| 18 | MS. BHATTACHARYA: Mr. Chen, I am | |
| 19 | representing to you that it is an Asetek document. | |
| 20 | That was that's from Asetek. That was provided via | 5:45:49PM |
| 21 | counsel to Dr. Tuckerman. | |
| 22 | (Crosstalk.) | |
| 23 | MS. BHATTACHARYA: Does that satisfy your | |
| 24 | inquiry? | |
| 25 | MR. REUBEN CHEN: Sure, but Dr. Tuckerman has | 5:46:09PM |
| | | Page 92 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 33 of 37

| 1 | testified that he's never spoken with anybody at | 5:46:11PM |
|----|--|-----------|
| 2 | Asetek. | |
| 3 | And so I'm asking him it was very clear that it | |
| 4 | was counsel that provided the representation to him. | |
| 5 | That's all I want to get. He relied on something | 5:46:19PM |
| 6 | (Crosstalk.) | |
| 7 | MS. BHATTACHARYYA: correct in that | |
| 8 | assumption. You are not correct in that assumption, | |
| 9 | Mr. Chen. You are you are assuming a lot of things | |
| 10 | here. | 5:46:29PM |
| 11 | MR. REUBEN CHEN: Okay. | |
| 12 | MS. BHATTACHARYA: And you are again you | |
| 13 | are assuming a lot of things here. | |
| 14 | MR. REUBEN CHEN: Fine. | |
| 15 | MS. BHATTACHARYA: I will tell you one thing. | 5:46:36PM |
| 16 | If you show the exhibit, it will become clear, because | |
| 17 | it's not all in Danish. | |
| 18 | MR. REUBEN CHEN: I'm not going to show the | |
| 19 | exhibit. So | |
| 20 | MS. BHATTACHARYA: Okay. Then I think we'll | 5:46:44PM |
| 21 | just have to end this line of questions, because | |
| 22 | MR. REUBEN CHEN: No. I'm going to rephrase, | |
| 23 | actually. | |
| 24 | Q Dr. Tuckerman, just to be clear, you've never | |
| 25 | spoken with anybody at Asetek. Correct? | 5:46:53PM |
| | | Page 93 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 34 of 37

| 1 | A To the best of my knowledge, that's correct. | 5:46:58PM |
|----|--|-----------|
| 2 | Q Okay. So no one from Asetek spoke spoke to you | |
| 3 | about the Danish document that allegedly shows a | |
| 4 | machining tool that was used to create the channels in | |
| 5 | Antarctica. Correct? | 5:47:21PM |
| 6 | MS. BHATTACHARYA: Objection. Form. | |
| 7 | Mischaracterizes the document referred. Asked and | |
| 8 | answered. | |
| 9 | THE WITNESS: So, as Arpita did mention, | |
| 10 | it she's refreshed my memory. It it wasn't | 5:47:35PM |
| 11 | entirely in Danish. There were some words I I I | |
| 12 | believe I could understand. I certainly could | |
| 13 | Anyway, the yeah. As I said, I I haven't | |
| 14 | spoken with anyone from Asetek. And so I I clearly | |
| 15 | didn't get it directly from them, you know. | 5:47:59PM |
| 16 | BY MR. REUBEN CHEN: | |
| 17 | Q Okay. I'm going to ask you about claim 15 of the | |
| 18 | '266 patent now. | |
| 19 | A All right. | |
| 20 | Q Okay. So and specifically the language that | 5:48:15PM |
| 21 | requires the outlet opening from the centrally located | |
| 22 | microchannel is larger than the outlet opening from at | |
| 23 | least one of the outer microchannels. | |
| 24 | A Okay. So you're talking about the last the | |
| 25 | last clause in in paragraph in claim 15? | 5:48:53PM |
| | | Page 94 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 35 of 37

| 1 | Q Correct. | 5:49:08PM |
|----|---|-----------|
| 2 | A Okay. | |
| 3 | Q Okay. So am I correct that your opinion is that | |
| 4 | an outlet opening is limited to a two-dimensional | |
| 5 | plane? | 5:49:25PM |
| 6 | MS. BHATTACHARYA: Objection. Form. | |
| 7 | Mischaracterizes the report. | |
| 8 | THE WITNESS: I in let's see. And | |
| 9 | where in my report did I did I get into this? | |
| 10 | Remind me. Maybe I can just search on it. All right. | 5:50:02PM |
| 11 | Good. | |
| 12 | BY MR. REUBEN CHEN: | |
| 13 | Q I believe you discuss that limitation starting at | |
| 14 | paragraph 70 of your report. | |
| 15 | A Thank you. Okay. Well, okay. Unless I'm | 5:51:21PM |
| 16 | mistaken, I don't see in 70 to 73 that I'm using the | |
| 17 | phrase "outlet opening" in those paragraphs. Let's | |
| 18 | see. Seventy-three. | |
| 19 | I mean, I understand outlet opening in the context | |
| 20 | of the '266 patent. I believe I do. And that is | 5:53:31PM |
| 21 | the there's a figure, like Figure 2. And there's | |
| 22 | this there are these scalloped regions. And the | |
| 23 | to me, the the that top surface of the exposed | |
| 24 | microchannels is the outlet opening in in that | |
| 25 | figure. So in the context of that patent, that's what | 5:54:17PM |
| | | Page 95 |

Case 3:19-cv-00410-EMC Document 414-4 Filed 04/14/22 Page 36 of 37

| 1 | I understand outlet opening to to be. | 5:54:25PM |
|----|---|-----------|
| 2 | Q So is outlet opening two dimensional or three | |
| 3 | dimensional? | |
| 4 | MS. BHATTACHARYYA: Objection. Vague. | |
| 5 | Hypothetical. Incomplete hypothetical. | 5:54:36PM |
| 6 | THE WITNESS: In my view, it's it's | |
| 7 | it's the plane surface. Yeah. Yeah. Yeah. | |
| 8 | BY MR. REUBEN CHEN: | |
| 9 | Q Okay. In fluid mechanics, does a bend with a | |
| 10 | larger turning radius typically have a lower pressure | 5:55:00PM |
| 11 | loss than a bend with a smaller turning radius? | |
| 12 | MS. BHATTACHARYA: Objection. Form. | |
| 13 | Incomplete hypothetical. Outside the scope of the | |
| 14 | deposition topic. | |
| 15 | Mr. Chen, are you moving to a different topic now? | 5:55:14PM |
| 16 | MR. REUBEN CHEN: No. | |
| 17 | MS. BHATTACHARYA: Does it have anything to | |
| 18 | do with claim 15? | |
| 19 | MR. REUBEN CHEN: This exactly has to do with | |
| 20 | claim 15 in the record. | 5:55:24PM |
| 21 | MS. BHATTACHARYA: I'll give leeway for | |
| 22 | Dr. Tuckerman to answer, but I don't see how it | |
| 23 | relates. | |
| 24 | But go ahead, Dr. Tuckerman. | |
| 25 | | |
| | | Page 96 |

| 1 | I, the undersigned, a Certified |
|----|--|
| 2 | Shorthand Reporter of the State of California, do |
| 3 | hereby certify: |
| 4 | That the foregoing proceedings were taken before |
| 5 | me at the time and place herein set forth; that any |
| 6 | witnesses in the foregoing proceedings, prior to |
| 7 | testifying, were placed under oath; that a verbatim |
| 8 | record of the proceedings was made by me using machine |
| 9 | shorthand which was thereafter transcribed under my |
| 10 | direction; further, that the foregoing is an accurate |
| 11 | transcription thereof. |
| 12 | I further certify that I am neither financially |
| 13 | interested in the action nor a relative or employee of |
| 14 | any attorney or any of the parties. |
| 15 | IN WITNESS WHEREOF, I have this date subscribed my |
| 16 | name. |
| 17 | |
| 18 | Dated: March 22, 2022 |
| 19 | |
| 20 | |
| 21 | |
| 22 | Lydia Minn |
| 23 | LYDIA ZINN, RPR, FCRR |
| 24 | CSR No. 9223 |
| 25 | |
| | Page 100 |